MISCELLANEOUS DEPARTMENTS.

GOVERNMENT OF MYSORE—ELECTRICAL DEPARTMENT.

OFFICE OF THE CHIEF ELECTRICAL ENGINEER IN MYSORE, BANGALORE.

Gazette Notification—G. N. 16, *dated 5th December* 1939.

To

The Firms dealing in Servicing and Testing Instruments.

GENTLEMEN,

Please be good enough to quote your best rates for the supply of the following, delivered, f.o.r. Bangalore, stating therein, time of delivery. If the instruments be not available for immediate supply, quotations on forward delivery basis would also be considered.

Descriptive literature and complete specification must be furnished.

The Chief Electrical Engineer reserves to himself the right of accepting the lowest or any other tender without assigning reason when tender of a firm whose rates are not the lowest is accepted.

The firm whose tender is accepted shall be bound to supply the instruments within the agreed time and of the specification given in the order; failure to do so will entail cancellation of the order and of purchase of the instruments elsewhere at that firm's risk and expense. If the instruments supplied should prove unsatisfactory either on account of defect in workmanship or for any reason whatsoever, the firm should replace the same with correct material within a reasonable period.

Tenders must be delivered in the office of the Chief Electrical Engineer on or before 4th January 1940, 12 NOON, superscribed "Tender for Servicing and Testing Instruments—4th January 1940, 12 NOON."

(1) One—Varley Bridge Megger Testing Set, Post Office and Admiralty pattern, standard range 0-40 meg ohms—500 volts as Megger and 250 volts as Bridge, complete with resistance box 1-9999 ohms and connecting leads with leather case for the bridge megger and the resistance box.

(2) One—Universal Avo-meter, self-contained, multi-range, AC-DC meter, to be provided for accurate measurement of AC-DC currents, voltage, resistance, capacity, Audio Frequency power output, and decibles, and should conform to the following detailed specifications:—

The meter should be guaranteed accurate to B.S. first grade requirements on DC and AC from 25 to 100 cycles and should be reasonably accurate up to 5,000 cycles. The sensitivity of the instrument should not be less than 1,000 ohms per volt. It should be provided with automatic compensation for variations in temperature and fully protected by an automatic cut-out against damage from overloads. It should be supplied with resistance range extension for measuring resistance down to 0·001 ohm.

The meter scale plate should contain 6 scales to measure the following requirements and each scale should not be less than 5" in length and it should contain untornishable mirror to prevent parallax errors. Each range of measurements should be distributed over the full scale of the instrument.

1. *A. C. Current*—0 – 5 – 10 – 50 – 100 – 500 MA and 1 – 5 – 10 amps.
   A. C. Volt.—0 – 5 – 10 – 50 – 100 – 200 – 400 – 500 – 1,000 volts.
2. *D. C. Current.*—0 – 1 – 2 – 5 – 10 – 50 – 100 – 500 MA and 1 – 5 – 10 amps.
   D. C. Volt.—0 – 50 – 100 – 500 M.V. and 1 – 5 – 10 – 50 – 100 – 200 – 400 – 500 – 1,000 volts.
3. *Resistance.*—0 – 1 – 10 – 10,000, 100,000 ohms. and 1 – 10 – 40 meg ohms.
4. *Capacity.*—0 – 20 Micro Farads.
5. *Audio Frequency Power Out-put.*—0 – 4 watts.
6. *Decibles.*—from (—10 Db to +15 Db).

The meter should be supplied with leather case, two sets of testing leads, batteries, etc.

M. HAYATH,
For *Chief Electrical Engineer.*

OFFICE OF THE SUPERINTENDENT, BANGALORE POWER AND LIGHTING, BANGALORE.

Notification dated 4th December 1939.

1. Sealed tenders in triplicate will be received at the Office of the Superintendent, Bangalore Power and Lighting, Bangalore, and the same should be superscribed with the name of the work given below.

2. The plans, detailed estimates and conditions may be obtained at the office of the undersigned at all working hours.

3. The tenders should be in the form of a statement as given below showing rates in figures and in words, at which the different items specified will be executed.

4. The tenders may be rejected or accepted in full or in part without any reasons being assigned therefor.

5. The name of the successful tenderer will be posted on the Notice Board in the Office of the Superintendent, Power and Lighting, Bangalore. No enquiries regarding the acceptance or rejection of a tender will receive any reply. The earnest money of rejected tenders will be returned.

6. Within three days of the acceptance of the tender, the successful tenderer will be required to execute the usual contract bond, failing which his tender will be considered cancelled and the earnest money will be forfeited.

7. The materials to be used should be of the best make and conform to the requirements of the Departmental rules and B.E.S.A. and A.I.E.E. specifications. Samples should be sent with tenders. When the samples are sent, mention should be made of manufacturers' or makers' catalogue.

8. *Name of work.*—Part I.—"Providing electric lights to the Office Buildings and Dwelling Quarters at Sericultural Farm, Kunigal.

Part II.—Installing 3 H.P. motor for driving existing pump at the Sericultural Farm, Kunigal.

9. *Last date and time of receiving tender.*—3-30 P.M., 22nd December 1939.

10. *Time and date of opening of tenders in public.*—4 P.M., 22nd December 1939.

11. *Earnest money required with tender.*—Rs. 55 and Rs. 55 after the acceptance of tender.

12. *Time for completing the work from date of accepting the tender.*—One week only.

13. *Details of the work to be executed.*—As per the specification noted below.

Tender for providing electric lights to the Office Buildings and Dwelling Quarters at Government Sericultural Farm at Kunigal.

Sl. No.	Names of materials, etc.	Unit	Quantity
1	Supplying and fixing S.M. rail 24 ft. long 41¼ lbs. section	No.	1
2	Supplying and fixing a 2 pin D.C.A. with clamps, bolts and nuts, insulators and pins, etc., complete (2 to go on baliga pole and 1 on consumer's rail)	Sets	3
3	Supplying and fixing guy sets with 7 strand ⅜″ G.I. wire complete for the consumer's pole	Set	1
4	Supplying and fixing 2 pin outriggers with bolts and nuts and shackle insulators, etc., complete	,,	3
5	Supplying and running over-head mains using No. 6 B. & S. bare copper wire (2 wire) from the Government pole to the outriggers on the main buildings, inspector quarters and from the outrigger on the main building to the consumer's pole near Inspection Lodge	Ft.	220
6	Supplying and running mains in ⅝″ braized conduit pipe from the outriggers to the distribution boards in the main building Inspector's Quarters and a staff quarters using No. 12 B. & S. insulated wire for 600 volts. 2,500 megohms grade with necessary bends, collars, etc., complete	,,	65
7	Supplying and fixing a T.W. Meter Board 2½′×2′×3″ mounted with 3 of 10 amps. D.P.S.T. ironclad switch, with fuse arrangement and wired complete (for main building)	Set	1
8	Supplying and fixing 1½′×1′×3″ T.W. Board mounted with a 10 amps. D.P.I.C. switch with fuse arrangements wired complete	Sets	2
9	Supplying and fixing a teakwood distribution board 9″×6″×1½″ mounted and wired with one of 10 amps. D.P.S.T. switch complete.	No.	1
10	Supplying and wiring in 2″×1″ T.W. casing and capping using No. 14 B. & S. wire insulated for 600 volts, 2,500 megohms for lighting outlets in the main building Inspection Lodge, Inspector and Staff Quarters and Reaving Room and running the portion of wire, etc., between the Staff Quarters and from the main building to the overhead line of Inspection Lodge and from the interior of the main building to the cable Junction Box and from cable Junction Box to the interior of the Reaving Room in ⅝″ braized conduit with necessary bends to complete	,,	39
11	Do do for controlling switches with 5 amps. bakelite reinforced tumbler switches	No.	39

Sl. No.	Names of materials, etc.	Unit	Quantity
12	Supplying and wiring for wall-plugs with 5 amps. bakelite face entry wall plug combined with switch	,,	3
13	Supplying cable underground No. 14 B. & S. paper insulated, lead covered, steel armoured, jute served for 600-volts, and laying it 3 ft. below the ground level surrounded with 3″ river-sand with junction boxes, etc., from the main bungalow to the Reading Room	Ft.	55
14	Supplying and wiring for a heating wall-plug at the Main building eastern side room tapping from the mains of the lighting circuit at the western side of the room using No. 12 B. & S. wire for 600-volts, 2,500 M.G. in $\frac{5}{8}$″ brazed conduit pipe from the meter board up to the wall-plug with 5 amps. D. P. iron clad switch on the meter board and a 5 amps. bakelite face entry wall-plug combined No. with switch complete.	No.	1
15	Supplying and fixing and wiring :—		
	(*a*) Ceiling roses porcelain 5 amps.	,,	12
	(*b*) Lamp-holders B.C.C.G. with necessary length of silk cord ..	,,	12
	(*c*) $\frac{5}{8}$″ brass bracket heavy pattern 9″ with B.C. holders	,,	7
	(*d*) $\frac{5}{8}$″ Rigid iron pendants 4 to 6 ft. long with back plate and B.C. lamp-holders, etc., complete	,,	15
	(*e*) Water-tight fitting with glass dome, etc., (superior type) complete (The make should be specified)	,,	5
	(*f*) Tin shades white, enamelled 9″	,,	39
	(*g*) Fan table 25 cycles, 220/230-volts, 12″ sweep complete, best approved quality. The make should be specified	,,	1
16	Masonry and patching and colour washing	L. S.	..
17	Grounding I. C. switches, pipes, etc., complete	..	..

Part II.—Tender for installing a 3 H.P. motor for running the existing pump at Sericultural Farm at Kunigal.

1	Supplying and running mains in 1″ G.I. Pipe using No. 12 B. & S. wire insulated for 600-volts, 2,500 megohms, (3 wires) from Government Baliga pole to the meter board in the pump house ..	Ft.	20
2	Supplying and fixing T. W. distribution board 3′×2′×3″ mounted with a 10 amps. D.P.S.T. iron clad switch, and 30 amps. T.P.S.T. iron clad switch with fuse arrangements with 2 indicating lamps protected with fuses with a suitable starter for 3 H.P. motor and wired complete. (The make of the starter should be specified) ..	No.	1
3	Supplying and wiring the motor using No. 12 B. & S. wire insulated for 600-volts, 2,500 megohms in 1″ G.I. pipe from meter board to the motor (3 wires)	L. S.	..
4	Supplying a 3 H.P. motor 230-volts, 25 cycles, 3 phase with slide rails and fixing it on a cement concrete foundation with bolts and nuts, etc., complete and a suitable pulley and belt to work with the existing pumping set. (The name and the specifications of the motor should be given)	Set	1
5	Grounding the motor frame and switches, etc., complete	L. S.	..

C. R. GOWDA,
Superintendent.